

October 25-26, 2012
University of Applied Sciences and Arts of Southern Switzerland
Lugano, Switzerland

LWAG 2012 Lugano Workshop

Opportunities and Challenges of Light-Weight Armour

Failure Mechanisms, Materials, Experiments and Modeling



www.lightarmour.org

With the support of:

University of Applied Sciences and Arts
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SUPSI



LWAG
Light-Weight Armour
for Defence and Security

RUAG



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Important dates

Abstract submission	Aug. 15, 2012
Acceptance notification	Aug. 31, 2012
Final paper submission	Sept. 30, 2012

Registration fees

Registration fees, with early registration applicable if received before 10 September 2012, are as follows:

Registration	Early	Late
Full	CHF 250	CHF 300
PhD Student	CHF 180	CHF 230

Contacts

For further information please do not hesitate to contact us:

LWAG 2012 Lugano Workshop
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Campus Trevano
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LWAG The Light Weight Armour Group for Defence and Security started about 10 years ago as a sub-group of DYMAT. In global terms, the subjects of the LWAG are the study of all modern body and vehicle armour and also the study of armour systems as a whole. There have been large developments in both types of armour in recent years and we hope to understand these changes and improve upon them. LWAG is interested in all armour materials such as ceramics, all plastic materials such as polyamides and woven materials, metal matrix composites (MMC), ceramic matrix composites (CMC), metallic foams and other porous materials. It is hoped that via workshops, LWAG can help improve on the design of armour and armour systems as well as explore the use of computer codes, where applicable. It was decided many years ago that the meetings should be informal workshops where there would be formal papers but also time for discussion. We are confident that this workshop in Lugano will be as successful and interesting as previous LWAG events.

Objectives and topics The purpose of the workshop is to present new developments in the context of security and armour systems. The provisional list of topics is as follows: armour systems and materials, damage mechanisms, defense systems, impact energy dissipation and absorption, blast-wave absorption, ballistic and impact phenomena, failure mechanisms, impact and terminal ballistics, applications and case studies, numerical simulation, modeling and theoretical studies, experimental methods, testing and standardization. It is also a major purpose of the conference to facilitate the communication between specialists interested in fields related to security and armour systems. For a complete and more detailed list of topics please check the LWAG 2012 Lugano Workshop web page.

Chairmen

E. Cadoni, SUPSI, Switzerland
H. Kaufmann, RUAG, Switzerland

Scientific Committee

F. Barthelémy, DGA, France
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F. Teixeira-Dias, University of Aveiro, Portugal
R. Zaera, Universidad Carlos III de Madrid, Spain

Proceedings & publications A book of abstracts will be published in printed form and the full proceedings will be delivered in digital form. These will be made available to all registered participants.

Workshop format The LWAG 2012 Lugano Workshop is a two days event during which several lectures will be delivered. If necessary, poster sessions may also be organized. A detailed programme of the event will be posted on the LWAG web page as soon as possible.

Traveling and accommodation Hotel reservations at preferential rates will be arranged by the organisers. Detailed information will be available in due time on the LWAG 2012 Lugano Workshop web page.